

Docket No.
YO999-203

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

REDUCTION AND OPTIMIZATION OF INFORMATION PROCESSING SYSTEMS

the specification of which

(check one)

is attached hereto.

was filed on 5/28/99 as United States Application No. or PCT International Application Number 09/322,521

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

(Number)

(Country)

(Day/Month/Year Filed)

(Number)

(Country)

(Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)	(Filing Date)
(Application Serial No.)	(Filing Date)
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (*list name and registration number*)

Manny W. Schecter, Reg. 31,722
 Terry J. Ilardi, Reg. 29,936
 Christopher A. Hughes, Reg. 26,914
 Edward A. Pennington, Reg. 32,588
 John E. Hoel, Reg. 26,279
 Joseph C. Redmond, Jr., Reg. 18,753
 Kevin M. Jordan, Reg. 40,277
 Stephen C. Kaufman, Reg. 29,551
 Jay P. Sbrollini, Reg. 36,266

David M. Shofi, Reg. 39,835
 Robert M. Trepp, Reg. 25,933
 Louis P. Herzberg, Reg. 41,500
 Daniel P. Morris, Reg. 32,053
 Douglas W. Cameron, Reg. 31,596
 Paul J. Otterstedt, Reg. 37,411

Send Correspondence to: Jeffrey R. Klemczyk, Esq.
 HESLIN & ROTENBERG, P.C.
 5 Columbia Circle
 Albany, NY 12203

Direct Telephone Calls to: (*name and telephone number*)
 Jeffrey R. Klemczyk, Esq. (518) 452-5600

Full name of sole or first inventor MARC A. KAPLAN	Date 8/19/99
Signature <i>Marc A. Kaplan</i>	
Residence 14 Holly Hill Lane, Lewisboro, New York 10536	
Citizenship USA	Mae K. Lemke Notary Public, State of New York No. 01LE69003456 County of Westchester Commission Expires March 02 2000 <i>Mae K. Lemke</i>
Post Office Address 14 Holly Hill Lane, Katonah, NY 10536	

Full name of second inventor, if any KELLY ANNE SHAW	Date
Second inventor's signature	
Residence 750 North Shoreline Blvd. , #22, Mountain View, CA 940043	
Citizenship USA	
Post Office Address 750 North Shoreline Blvd. , #22, Mountain View, CA 940043	

Full name of third inventor, if any
DANIEL C. STURMAN

Third inventor's signature

R sidence
408 Knickerbocker Road, Englewood, NJ 07631

Citizenship
USA

Post Office Address
408 Knickerbocker Road, Englewood, NJ 07631

Mae K. Lemke
Notary Public, State of New York
No. 01LE6003456
County of Westchester
Commission Expires March 02 2000

Date

8/19/99

Mae K. Lemke

Full name of fourth inventor, if any

Fourth inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of fifth inventor, if any

Fifth inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of sixth inventor, if any

Sixth inventor's signature

Date

Residence

Citizenship

Post Office Address

Docket No.

YO999-203

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

REDUCTION AND OPTIMIZATION OF INFORMATION PROCESSING SYSTEMS

the specification of which

(check one)

is attached hereto.

was filed on 5/28/99 as United States Application No. or PCT International

Application Number 09/322,521

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U.S.C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C.F.R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Manny W. Schecter, Reg. 31,722
 Terry J. Ilardi, Reg. 29,936
 Christopher A. Hughes, Reg. 26,914
 Edward A. Pennington, Reg. 32,588
 John E. Hoel, Reg. 26,279
 Joseph C. Redmond, Jr., Reg. 18,753
 Kevin M. Jordan, Reg. 40,277
 Stephen C. Kaufman, Reg. 29,551
 Jay P. Sbrollini, Reg. 36,266

David M. Shofi, Reg. 39,835
 Robert M. Trepp, Reg. 25,933
 Louis P. Herzberg, Reg. 41,500
 Daniel P. Morris, Reg. 32,053
 Douglas W. Cameron, Reg. 31,596
 Paul J. Otterstedt, Reg. 37,411

Send Correspondence to: Jeffrey R. Klemczyk, Esq.
HESLIN & ROTHEBERG, P.C.
 5 Columbia Circle
 Albany, NY 12203

Direct Telephone Calls to: (name and telephone number)
 Jeffrey R. Klemczyk, Esq. (518) 452-5600

Full name of sole or first inventor MARC A. KAPLAN	Date
Sole or first inventor's signature	
Residence 14 Holly Hill Lane, Lewisboro, New York 10536	
Citizenship USA	
Post Office Address 14 Holly Hill Lane, Katonah, NY 10536	

Full name of second inventor, if any KELLY ANNE SHAW	Date
Second inventor's signature <i>Kelly Shaw</i>	
Residence 750 North Shoreline Blvd. , #22, Mountain View, CA 940043	
Citizenship USA	
Post Office Address 750 North Shoreline Blvd. , #22, Mountain View, CA 940043	

Full name of third inventor, if any DANIEL C. STURMAN	
Third inventor's signature	Date
Residence 408 Knickerbocker Road, Englewood, NJ 07631	
Citizenship USA	
Post Office Address 408 Knickerbocker Road, Englewood, NJ 07631	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of fifth inventor, if any	
Fifth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of sixth inventor, if any	
Sixth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Associate Power Of Attorney Or Agent (37 CFR 1.34)
(For Representation Related To A Patent Application)

Docket No.
YO999-204

In Re Application Of: Kaplan et al.

Serial No. 09/322,521	Filing Date 05/28/1999	Examiner Prieto, B.	Group Art Unit 2152
--------------------------	---------------------------	------------------------	------------------------

Invention: REDUCTION AND OPTIMIZATION OF INFORMATION PROCESSING SYSTEMS

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

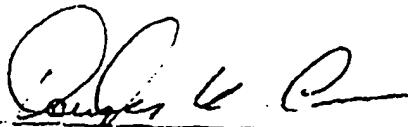
Please recognize the following as Associate Attorney Associate Agent in this application.

Name: Wayne F. Reinke, Esq.

Reg. No.: 36,650

Address: Heilin Rothenberg Farley & McSiti P.C.
5 Columbia Circle
Albany, New York 12203-5160

Tel. No. (518) 452-5600



Signature of Principal Attorney or Agent of Record

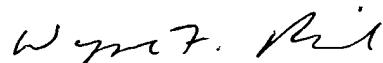
Douglas W. Cameron Esq.
Registration No. 31,596
IBM Corporation
T.J. Watson Research Center
P.O. Box 218
Yorktown Heights, NY 10598

Telephone: 914-945-3244

Registration Number & Address of Principal Attorney or Agent of Record

Dated: 2/20, 2002

I hereby certify that this correspondence is being transmitted by facsimile transmission to:
Examiner Beatrice Prieto, Group Art Unit 2152,
United States Patent and Trademark Office,
Washington, D.C. 20231, Facsimile No.
(703) 746-7239, on February 21, 2002.



Wayne F. Reinke

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Kaplan et al.

Serial No.: 09/322,521

Group Art Unit: 2731

Filed: 5/28/99

Examiner: Not Assigned

Title: REDUCTION AND OPTIMIZATION OF INFORMATION PROCESSING SYSTEMS

APPOINTMENT OF ASSOCIATE ATTORNEY

To: Assistant Commissioner for Patents
Washington, D.C. 20231

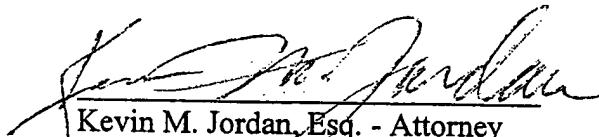
Sir:

The undersigned attorney, who is an attorney in the Combined Declaration and Power of Attorney for the above-identified application, hereby appoints Jeff Rothenberg, Esq., Reg. No. 26,429, Kevin Radigan, Esq., Reg. No. 31,789, Blanche E. Schiller, Esq., Reg. No. 35,670, and Jeffrey R. Klembczyk, Esq., Reg. No. 39,730 of Heslin & Rothenberg, P.C., 5 Columbia Circle, Albany, New York 12203 (telephone number 518-452-5600) as his associate attorneys to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith.

Please direct all official communications to Jeffrey R. Klembczyk, Esq., at the following address:

HESLIN & ROTHENBERG, P.C.
5 Columbia Circle
Albany, New York 12203-5160

Respectfully submitted,



Kevin M. Jordan, Esq. - Attorney
Reg. No.: 40,277
Tel. No.: (914) 945-2120

IBM Corporation
Intellectual Property Law Dept.
T.J. Watson Research Center
P.O. Box 218
Yorktown Heights, NY 10598



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

NOVEMBER 01, 1999

PTAS

HESLIN & ROTHENBERG, P.C.
JEFFREY R. KLEMBEZYK, ESQ.
5 COLUMBIA CIRCLE
ALBANY, NY 12203



101134492A

COPY

584.105

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/30/1999

REEL/FRAME: 010199/0916
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KAPLAN, MARC A.

DOC DATE: 08/19/1999

ASSIGNOR:

STURMAN, DANIEL C.

DOC DATE: 08/19/1999

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES
CORPORATION
NEW ORCHARD ROAD
ARMONK, NEW YORK 10504

SERIAL NUMBER: 09322521

FILING DATE: 05/28/1999
ISSUE DATE:

PATENT NUMBER:

RECEIVED
PTAS
11/01/99

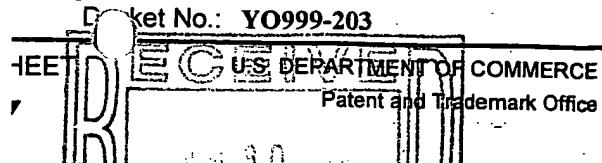
010199/0916 PAGE 2

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

09-02-1999



101134492



Tab settings ➤ ➤ ➤ ➤

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Marc A. Kaplan
Daniel C. Sturman

8.30.99

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 8/19/99; 8/19/99

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/322,521 5/28/99

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jeffrey R. Klembczyk, Esq.

Internal Address: HESLIN & ROTENBERG, P.C.

Street Address: 5 Columbia Circle

City: Albany State: NY ZIP: 12203

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

08-1935

09/01/1999 DNGUYEN 00000111 09322521

DO NOT USE THIS SPACE

01 FC:581 40.00 0P

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffrey R. Klembczyk, Esq.

Name of Person Signing

Signature

August 27, 1999

Total number of pages including cover sheet, attachments, and document:

3

Date

A S S I G N M E N T

Whereas, we

- (1) Marc A. Kaplan of Lewisboro
County of Westchester and State of New York
- (2) Kelly A. Shaw of Mountain View
County of Santa Clara and State of California
- (3) Daniel C. Sturman of Englewood
County of Bergen and State of New Jersey

have invented certain improvements in

REDUCTION AND OPTIMIZATION OF INFORMATION PROCESSING SYSTEMS

and executed a United States Patent Application therefor on even dates herewith, said Application filed May 28, 1999 as serial number 09/322,521.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, Armonk, New York, 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and the invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patents granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed

(1) at (Hawthorne, New York)
on AUGUST 19, 1999



Marc A. Kaplan

(2) at (, California)
on _____

Kelly A. Shaw

(3) at (Hawthorne, New York)
on AUGUST 19, 1999



Daniel C. Sturman

State of New York
County of Westchester ss.:

On this 19th day of August, 1999, before me personally came MARC A. KAPLAN to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Mae K. Lemke
Notary Public, State of New York
No. 01LE6003456

State of County of Westchester
County of Commission Expires March 02 2000 ss.:

Mae K. Lemke
Notary Public

On this day of , 1999, before me personally came KELLY A. SHAW to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and she acknowledged to me that she executed the same as her free act and deed.

Notary Public

State of New York
County of Westchester ss.:

On this 19th day of August, 1999, before me personally came DANIEL C. STURMAN to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Mae K. Lemke
Notary Public

Mae K. Lemke
Notary Public, State of New York
No. 01LE6003456
County of Westchester
Commission Expires March 02 2000



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER

OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

NOVEMBER 01, 1999

PTAS

HESLIN & ROTHENBERG, P.C.
JEFFREY R. KLEMBICKY, ESQ.
5 COLUMBIA CIRCLE
ALBANY, NY 12203



101134491A

COPY

559 /08

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/30/1999

REEL/FRAME: 010199/0919
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SHAW, KELLY A.

DOC DATE: 08/24/1999

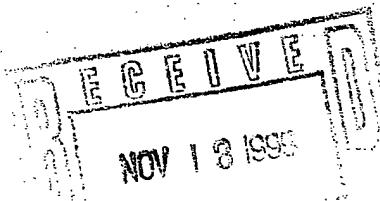
ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES
CORPORATION
NEW ORCHARD ROAD
ARMONK, NEW YORK 10504

SERIAL NUMBER: 09322521
PATENT NUMBER:

FILING DATE: 05/28/1999
ISSUE DATE:

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



09-02-1999

Document No.: YO999-203



TEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings ➡ ➡ ➡ ➡ ➡

To the Honorable Commissioner of

101134491

The attached original documents or copy thereof.

1. Name of conveying party(ies):
Kelly A. Shaw

8.30.99

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 8/24/99

2. Name and address of receiving party(ies):

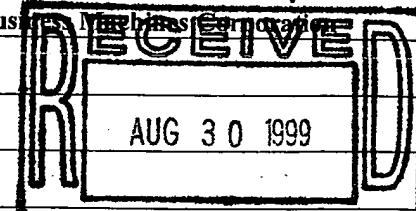
BUSINESS MACHINES CORPORATION

Name: International Business Machines Corporation

Internal Address: _____

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504



Additional name(s) & address(es) attached? Yes No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/322,521

5/28/99

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Jeffrey R. Klembczyk, Esq.

Internal Address: HESLIN & ROTHENBERG, P.C.

Street Address: 5 Columbia Circle

City: Albany State: NY ZIP: 12203

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

08-1935

09/01/1999 DNGUYEN 00000112 09322521

DO NOT USE THIS SPACE

01 FC:581 40.00 0P

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffrey R. Klembczyk, Esq.

Name of Person Signing

Signature

August 23, 1999

Total number of pages including cover sheet, attachments, and document:

3

Date

A S S I G N M E N T

Whereas, we

- (1) Marc A. Kaplan of Lewisboro
County of Westchester and State of New York
- (2) Kelly A. Shaw of Mountain View
County of Santa Clara and State of California
- (3) Daniel C. Sturman of Englewood
County of Bergen and State of New Jersey

have invented certain improvements in

REDUCTION AND OPTIMIZATION OF INFORMATION PROCESSING SYSTEMS

and executed a United States Patent Application therefor on even dates herewith,
said Application filed May 28, 1999 as serial number 09/322,521.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York,
having a place of business at New Orchard Road, Armonk, New York, 10504,
(hereinafter called IBM), desires to acquire the entire right, title and interest
in the said application and invention, and to any United States and foreign
patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby
acknowledged, we, the above named, hereby sell, assign and transfer to IBM, its
successors and assigns, the entire right, title and interest in the said
application and the invention therein disclosed for the United States and foreign
countries, and all rights of priority resulting from the filing of said United
States application, and we request the Commissioner of Patents to issue any
Letters Patents granted upon the invention set forth in said application to IBM,
its successors and assigns; and I hereby agree that IBM may apply for foreign
Letters Patent on said invention and I will execute all papers necessary in
connection with the United States and foreign applications when called upon to do
so by IBM.

Signed

- (1) at (_____, New York)
on _____

Marc A. Kaplan
- (2) at (NEWTOWN, Connecticut)
on August 24, 1999

Kelly A. Shaw
- (3) at (_____, New York)
on _____

Daniel C. Sturman

State of)
County of) ss.:

On this day of , 1999, before me personally came MARC A. KAPLAN to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Notary Public

State of Connecticut,
County of Fairfield) ss.: NEWTOWN

On this 24th day of August , 1999, before me personally came KELLY A. SHAW to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and she acknowledged to me that she executed the same as her free act and deed.

EILEEN W. BEVANS
NOTARY PUBLIC
MY COMMISSION EXPIRES JUNE 30, 2001

Eileen W Bevans
Notary Public

State of)
County of) ss.:

On this day of , 1999, before me personally came DANIEL C. STURMAN to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Notary Public